SEQUENCE LISTING

(1) GENERAL INFORMATION:

(i) APPLICANTS: SeaTek Marine Biotechnology, Inc

Kelly, Michael T.

University of British Columbia

Andersen, Raymond J.

Gerard, Jeff

(ii) TITLE OF INVENTION: CYCLIC DECAPEPTIDE ANTIBIOTICS

(iii) NUMBER OF SEQUENCES: 74

(iv) CORRESPONDENCE ADDRESS:

- (A) ADDRESSEE: Gowling, Strathy & Henderson
- (B) STREET: Commerce Court West, Suite 4900
- (C) CITY: Toronto
- (D) STATE: Ontario
- (E) COUNTRY: CANADA
- (F) ZIP: M5L 1J3
- (v) COMPUTER READABLE FORM:
 - (A) MEDIUM TYPE: / Floppy disk
 - (B) COMPUTER: IBM PC compatible
 - (C) OPERATING SYSTEM: PC-DOS/MS-DOS
 - (D) SOFTWARE: PatentIn Release #1.0, Version #1.30
- (vi) CURRENT APPLICATION DATA:
 - (A) APPLICATION NUMBER: CA PCT/CA97/00529
 - (B) FILING PATE: 25-JUL-1997
 - (C) CLASSIFICATION:
- (viii) ATTORNEY/AGENT INFORMATION:
 - (A) NAME / Nassif, Omar A.
 - (C) REFERENCE/DOCKET NUMBER: T8463333WO
 - (ix) TELECOMMUNICATION INFORMATION:
 - (A) TELEPHONE: (416) 862-5775
 - (B) TELEFAX: (416) 862 7661
- (2) INFORMATION FOR SEQ ID NO:1:
 - (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 10 amino acids
 - (B) TYPE: amino acid
 - (d) STRANDEDNESS:
 - (D) TOPOLOGY: circular
 - (ix) FEATURE:
 - (A) NAME/KEY: Modified-site
 - (B) LOCATION: 1
 - (D) OTHER INFORMATION: /note= "Stereochemistry may be

either L- or D-. L- Stereochemistry is preferred"

(ix) FEATURE:

(A) NAME/KEY: Modified-site (B) LOCATION: 2 (D) OTHER INFORMATION: /note= "Stereochemistry may be either L- or D-. L- Stereochemistry is preferred." (ix) FEATURE: (A) NAME/KEY: Modified-site (B) LOCATION: 2 (D) OTHER INFORMATION: /product= "Orn" (ix) FEATURE: (A) NAME/KEY: Modified-site (B) LOCATION: 3 (D) OTHER INFORMATION: //note= "Stereochemistry may be either L- or D-. L- Stereochemistry is preferred." (ix) FEATURE: (A) NAME/KEY: Modified-site (B) LOCATION: 4 (D) OTHER INFORMATION: /note= "Stereochemistry may be either L- or D-. D- Stereochmistry is preferred" (ix) FEATURE: (A) NAME/KEY: Modified-site (B) LOCATION: 5 / (D) OTHER INFORMATION: /note= "Stereochemistry may be either L- or D-. L- Stereochemistry is preferred." (ix) FEATURE: (A) NAME/KEY: Modified-site (B) LOCATION! 6 (D) OTHER INFORMATION: /note= "Stereochemistry may be either L- or D-. L/ Stereochemistry is preferred." (ix) FEATURE: (A) NAME/KEY: Modified-site (B) LOCATION: 7 (D) OTHER INFORMATION: /note= "Stereochemistry may be either L- or D- / D- Stereochemistry is preferred." (ix) FEATURE; (A) NAME/KEY: Modified-site (B) LOCATION: 8 (D) OTHER INFORMATION: /note= "Stereochemistry may be either L- or/D-. L- Stereochemistry is preferred." (ix) FEATURE: (A) NAME/KEY: Modified-site (B) LOCATION: 9 (p) OTHER INFORMATION: /note= "Stereochemistry may be either Lf or D-. L- Stereochemistry is preferred." (ix) FEATURE: (A) NAME/KEY: Modified-site (B) LOCATION: 10 (D) OTHER INFORMATION: /note= "Stereochemistry may be either L- or D-. L- Stereochemistry is preferred."

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(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:
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(2) INFORMATION FOR SEQ ID NO:2:
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          (A) LENGTH: 10 amino acids
          (B) TYPE: amino acid
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          (B) LOCATION: 2
          (D) OTHER INFORMATION: /note= "Stereochemistry may be
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    (ix) FEATURE:
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          (B) LOCATION: 3
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           (B) LOCATION: 4
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           (B/) LOCATION: 6
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(ix) FEATURE:

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(D) OTHER INFORMATION: /note= "Stereochemistry may be
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    (xi) SEQUENCE DESCRIPTION: SEQ/ID NO:2:
    Val Xaa Leu Tyr Pro Phe Phe Asn Asp Trp
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(2) INFORMATION FOR SEQ ID NO:3
     (i) SEQUENCE CHARACTERISTICS:
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          (B) TYPE: amino acid
          (C) STRANDEDNESS:
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          (B) LOCATION: 1
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          (B) LOCATION: 2
          (D) OTHER INFORMATION: /note= "Stereochemistry may be
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          (B) LOCATION: 2
          (D) OTHER INFORMATION: /product= "Orn"
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          (B) LOCATION: 3
          (D) OTHER INFORMATION: /note= "Stereochemistry may be
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(A) NAME/KEY: Modified-site (B) LOCATION: 4 (D) OTHER INFORMATION: /note= "Stereochemistry may be either L- or D-. D- Stereochmistry is preferred" (ix) FEATURE: (A) NAME/KEY: Modified-site (B) LOCATION: 5 (D) OTHER INFORMATION: /note= "Stereochemistry may be either L- or D-. L- Stereochemistry is preferred." (ix) FEATURE: (A) NAME/KEY: Modified-site (B) LOCATION: 6 (D) OTHER INFORMATION: /note=/ "Stereochemistry may be either L- or D-. L- Stereochemistry/is preferred." (ix) FEATURE: (A) NAME/KEY: Modified-sit (B) LOCATION: 7 (D) OTHER INFORMATION: /note= "Stereochemistry may be either L- or D-. D- Stereochemistry is preferred." (ix) FEATURE: (A) NAME/KEY: Modified; site (B) LOCATION: 8 (D) OTHER INFORMATION: /note= "Stereochemistry may be either L- or D-. L- Stereochemistry is preferred." (ix) FEATURE: (A) NAME/KEY: Modified-site (B) LOCATION: 9 (D) OTHER INFORMATION: /note= "Stereochemistry may be either L- or D-. L- Stereochemistry is preferred." (ix) FEATURE: (A) NAME/KEY: Modified-site (B) LOCATION: 10 (D) OTHER INFORMATION: /note= "Stereochemistry may be either L- or D-. L- Stereochemistry is preferred." (xi) SEQUENCE DESCRIPTION: SEQ ID NO:3: Val Xaa Leu Tyr Pro Trp Phe Asn Asp Trp (2) INFORMATION FOR SEQ ID NO:4: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 10 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: (D) TOPOLOGY: circular (ix) FEATURE: (A) NAME/KEY: Modified-site (B)/LOCATION: 1

(D) OTHER INFORMATION: /product= "OTHER"

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     (ix) FEATURE:
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           (D) OTHER INFORMATION: /product= "Orn"
     (xi) SEQUENCE DESCRIPTION: SEQ ID NO:4:
      Xaa Xaa Leu Tyr Pro Phe Phe Asn Asp Tyr
 (2) INFORMATION FOR SEQ ID NO:5:
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           (B) TYPE: amino acid
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           (B) LOCATION: 1
           (D) OTHER INFORMATION://product= "OTHER"
  /note= "Where Xaa is Butyrine;
    (ix) FEATURE:
          (A) NAME/KEY: Modified-site
          (B) LOCATION: 2
          (D) OTHER INFORMATION: /product= "Orn"
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    Xaa Xaa Leu Tyr Pro Phe Phe Asn Asp Trp
(2) INFORMATION FOR SEQ/ID NO:6:
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          (A) LENGTH: /10 amino acids
          (B) TYPE: amino acid
          (C) STRANDEDNESS:
          (D) TOPOLOGY: circular
   (ix) FEATURE:
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          (B) LOCÁTION: 1
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         (B)/LOCATION: 2
         (D)/OTHER INFORMATION: /product= "Orn"
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(2) INFORMATION FOR SEQ ID NO:7:
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          (B) TYPE: amino acid
          (C) STRANDEDNESS:
          (D) TOPOLOGY: circular
    (ix) FEATURE:
          (A) NAME/KEY: Modified-site
          (B) LOCATION: 2
          (D) OTHER INFORMATION: /product= "Dbu"
    (xi) SEQUENCE DESCRIPTION: SEQ ID NO:7:
     Val Xaa Leu Tyr Pro Phe Phe Asn Asp Tyr
(2) INFORMATION FOR SEQ ID NO:8
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          (B) TYPE: amino acid
          (C) STRANDEDNESS:
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           (B) LOCATION: 2
           (D) OTHER INFORMATION: /product= "Dbu"
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           (B) TYPE: amino acid
           (C) STRANDEDNESS:
           (D) TOPOLOGY: circular
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           (A) /NAME/KEY: Modified-site
           (B) LOCATION: 2
           (D) OTHER INFORMATION: /product= "Dbu"
     (xi) SEQUENCE DESCRIPTION: SEQ ID NO:9:
      Val Xaa Leu Tyr Pro Trp Phe Asn Asp Trp
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- (2) INFORMATION FOR SEQ ID NO:10:
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 - (A) LENGTH: 10 amino acids
 - (B) TYPE: amino acid
 - (C) STRANDEDNESS:
 - (D) TOPOLOGY: circular
 - (ix) FEATURE:
 - (A) NAME/KEY: Modified-site
 - (B) LOCATION: 2
 - (D) OTHER INFORMATION: /product = "Orn"
 - (xi) SEQUENCE DESCRIPTION: SEQ ID NO:10;

Val Xaa Ile Tyr Pro Phe Phe Asn Asp Tyr
1 5 10

- (2) INFORMATION FOR SEQ ID NO:11:
 - (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 10 amino acids
 - (B) TYPE: amino acid
 - (C) STRANDEDNESS:
 - (D) TOPOLOGY: circular
 - (ix) FEATURE:
 - (A) NAME/KEY: Modified/site
 - (B) LOCATION: 2
 - (D) OTHER INFORMATION: /product= "Orn"
 - (xi) SEQUENCE DESCRIPTION / SEQ ID NO:11:

Val Xaa Ile Tyr Pro Phe Phe Asn Asp Trp
1 5 10

- (2) INFORMATION FOR SEQ ID NO:12:
 - (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 10 amino acids
 - (B) TYPE: amino acid
 - (C) STRANDEDNESS:
 - (D) TOPOLOGY: circular
 - (ix) FEATURE:
 - (A) NAME KEY: Modified-site
 - (B) LOCATION: 2
 - (D) OTHER INFORMATION: /product= "Orn"
 - (xi) SEQUENCE DESCRIPTION: SEQ ID NO:12:

Val Xaa The Tyr Pro Trp Phe Asn Asp Trp

1 5 10

- (2) INFORMATION FOR SEQ ID NO:13:
 - (i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 10 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: (D) TOPOLOGY: circular (ix) FEATURE: (A) NAME/KEY: Modified-site (B) LOCATION: 2 (D) OTHER INFORMATION: /product= "Orn" (ix) FEATURE: (A) NAME/KEY: Modified-site (B) LOCATION: 3 (D) OTHER INFORMATION: /product= "alle" (xi) SEQUENCE DESCRIPTION: SEQ ID NO:13: Val Xaa Xaa Tyr Pro Phe Phe Asn Asp Tyr (2) INFORMATION FOR SEQ ID NO:14: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 10 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: (D) TOPOLOGY: circular (ix) FEATURE: (A) NAME/KEY: Modified-site (B) LOCATION: 2 (D) OTHER INFORMATION: /product= "Orn" (ix) FEATURE: (A) NAME/KEY: Modified-site (B) LOCATION: 3 (D) OTHER INFORMATION: /product= "alle" (xi) SEQUENCE DESCRIPTION: SEQ ID NO:14: Val Xaa Xaa Tyr Pro Phe Phe Asn Asp Trp (2) INFORMATION FOR SEQ ID NO:15: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 10 amino acids (B) TYPE: /amino acid (C) STRANDEDNESS: (D) TOPOLOGY: circular (ix) FEATURE:
 - (ix) FEATURE:
 (A) NAME/KEY: Modified-site

(B) LOCATION: 2

(A) NAME/KEY: Modified-site

(D) OTHER INFORMATION: /product= "Orn"

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(B) LOCATION: 3
         (D) OTHER INFORMATION: /product= "alle"
   (xi) SEQUENCE DESCRIPTION: SEQ ID NO:15:
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    1
(2) INFORMATION FOR SEQ ID NO:16:
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          (B) TYPE: amino acid
          (C) STRANDEDNESS:
          (D) TOPOLOGY: circular
    (ix) FEATURE:
          (A) NAME/KEY: Modified-site
          (B) LOCATION: 2
          (D) OTHER INFORMATION: /product= "Orn"
    (ix) FEATURE:
          (A) NAME/KEY: Modified-site
          (B) LOCATION: 3
          (D) OTHER INFORMATION: /product= "Nva"
    (xi) SEQUENCE DESCRIPTION: SEQ ID NO:16:
     Val Xaa Xaa Tyr Pro Phe Phe Asn Asp Tyr
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(2) INFORMATION FOR SEQ ID NO/17:
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           (A) LENGTH: 10 amino acids
           (B) TYPE: amino acid
           (C) STRANDEDNESS;
           (D) TOPOLOGY: circular
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           (B) LOCATION: /2
           (D) OTHER INFORMATION: /product= "Orn"
     (ix) FEATURE:
           (A) NAME/KEY: Modified-site
           (B) LOCATION: 3
           (D) OTHER INFORMATION: /product= "Nva"
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      Val Xaa Xaa Tyr Pro Phe Phe Asn Asp Trp
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(A) LENGTH: 10 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: (D) TOPOLOGY: circular (ix) FEATURE: (A) NAME/KEY: Modified-site (B) LOCATION: 2 (D) OTHER INFORMATION: /product= "Orn" (ix) FEATURE: (A) NAME/KEY: Modified-site (B) LOCATION: 3 (D) OTHER INFORMATION: /product= "Nva" (xi) SEQUENCE DESCRIPTION: SEQ ID NO:18: Val Xaa Xaa Tyr Pro Trp Phe Asn Asp Trp (2) INFORMATION FOR SEQ ID NO:19: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 10 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: (D) TOPOLOGY: circular (ix) FEATURE: (A) NAME/KEY: Modified-site (B) LOCATION: 2 (D) OTHER INFORMATION: /product= "Orn" (ix) FEATURE: (A) NAME/KEY: Modified-site (B) LOCATION: 3 (D) OTHER INFORMATION://product= "OTHER" /note= "Where Xaa is Cycloprogylalanine" (xi) SEQUENCE DESCRIPTION: SEQ ID NO:19: Val Xaa Xaa Tyr Pro Phe /Phe Asn Asp Tyr 5 (2) INFORMATION FOR SEQ ID NO:20: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 10 amino acids (B) TYPE: amind acid (C) STRANDEDNESS: (D) TOPOLOGY: circular (ix) FEATURE: (A) NAME/KEY: Modified-site (B) LOCATION: 2 (D) OTHER INFORMATION: /product= "Orn"

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          (B) TYPE: amino acid
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          (B) LOCATION: 2
          (D) OTHER INFORMATION: /product= "Orn"
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          (B) LOCATÍON: 2
          (D) OTHER INFORMATION: /product= "Orn"
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          (B) LOCATION: 3
          (D) OTHER INFORMATION: /product= "Nle"
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                                          10
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(2) INFORMATION FOR SEQ ID NO:23: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 10 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: (D) TOPOLOGY: circular (ix) FEATURE: (A) NAME/KEY: Modified-site (B) LOCATION: 2 (D) OTHER INFORMATION: /product= "Orn" (ix) FEATURE: (A) NAME/KEY: Modified-site (B) LOCATION: 3 (D) OTHER INFORMATION: /product= /*Nle" (xi) SEQUENCE DESCRIPTION: SEQ ID NO:23: Val Xaa Xaa Tyr Pro Phe Phe Asn Asp Trp 10 (2) INFORMATION FOR SEQ ID NO:24: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 10 amino aciás (B) TYPE: amino acid (C) STRANDEDNESS: (D) TOPOLOGY: circular (ix) FEATURE: (A) NAME/KEY: Modified-site (B) LOCATION: 2 (D) OTHER INFORMATION: /product= "Orn" (ix) FEATURE: (A) NAME/KEY: Mødified-site (B) LOCATION: (D) OTHER INFORMATION: /product= "Nle" (xi) SEQUENCE DESCRIPTION: SEQ ID NO:24: Val Xaa Xaa Tyr/Pro Trp Phe Asn Asp Trp 10 (2) INFORMATION FOR SEQ ID NO:25: (i) SEQUENCÉ CHARACTERISTICS: (A) LENGTH: 10 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: (D)/ TOPOLOGY: circular

(A) NAME/KEY: Modified-site

(B) LOCATION: 2

(ix) FEATURE:

(D) OTHER INFORMATION: /product= "Orn" (ix) FEATURE: (A) NAME/KEY: Modified-site (B) LOCATION: 4 (D) OTHER INFORMATION: /product= "OTHER" /note= "Where Xaa is p-fluorophenylalamine" (xi) SEQUENCE DESCRIPTION: SEQ ID NO:25: Val Xaa Leu Xaa Pro Phe Phe Asn Asp Tyr (2) INFORMATION FOR SEQ ID NO:26: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 10 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: (D) TOPOLOGY: circular (ix) FEATURE: (A) NAME/KEY: Modified-site (B) LOCATION: 2 (D) OTHER INFORMATION: /product= "Orn" (ix) FEATURE: (A) NAME/KEY: Modified-site (B) LOCATION: 4 (D) OTHER INFORMATION: //product= "OTHER" /note= "Where Xaa is p-fluorophenylalamine" (xi) SEQUENCE DESCRIPTION: SEQ ID NO:26: Val Xaa Leu Xaa Pro Phe Phe Asn Asp Trp 5 (2) INFORMATION FOR SEQ ID NO:27: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 10 amino acids (B) TYPE: aming acid (C) STRANDEDNESS: (D) TOPOLOGY:/circular (ix) FEATURE: (A) NAME/KEY: Modified-site (B) LOCATION: 2 (D) OTHER INFORMATION: /product= "Orn"

(A) NAME/KEY: Modified-site

/note= "Where Xaa is p-fluorophenylalamine"

(D) OTHER INFORMATION: /product= "OTHER"

(B) LOCATION: 4

(ix) FEATURE:

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:27: Val Xaa Leu Xaa Pro Trp Phe Asn Asp Trp (2) INFORMATION FOR SEQ ID NO:28: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 10 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: (D) TOPOLOGY: circular (ix) FEATURE: (A) NAME/KEY: Modified-site (B) LOCATION: 2 (D) OTHER INFORMATION: /product= "Orn" (xi) SEQUENCE DESCRIPTION: SEQ ID NO:28: Val Xaa Leu Trp Pro Phe Phe Asn Asp' Tyr (2) INFORMATION FOR SEQ ID NO:29: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 10 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: (D) TOPOLOGY: circular (ix) FEATURE: (A) NAME/KEY: Modified-site (B) LOCATION: 2 (D) OTHER INFORMATION: /product= "Orn" (xi) SEQUENCE DESCRIPTION: SEQ ID NO:29: Val Xaa Leu Trp Pro Phe Phe Asn Asp Trp 5 (2) INFORMATION FOR SEQ ID NO:30: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 10 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: (D) TOPOLOGY: circular (ix) FEATURE: (A) NAME/KEY: Modified-site (B) LOCATION: 2 (D) OTHER INFORMATION: /product= "Orn" (xi) SEQUENCE DESCRIPTION: SEQ ID NO:30:

Val Xaa Leu Trp Pro Trp Phe Asn Asp Trp

(2) INFORMATION FOR SEQ ID NO:31:

- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 10 amino acids
 - (B) TYPE: amino acid
 - (C) STRANDEDNESS:
 - (D) TOPOLOGY: circular
- (ix) FEATURE:
 - (A) NAME/KEY: Modified-site
 - (B) LOCATION: 2
 - (D) OTHER INFORMATION: /product= "Orn"
- (ix) FEATURE:
 - (A) NAME/KEY: Modified-site
 - (B) LOCATION: 4
- (D) OTHER INFORMATION: /product= "OTHER"

/note= "Where Xaa is Thienylalanine"

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:31:

Val Xaa Leu Xaa Pro Phe Phe Asn Asp Tyr

1 5 10

- (2) INFORMATION FOR SEQ ID NO:32:
 - (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 10 amino acids
 - (B) TYPE: amino acid
 - (C) STRANDEDNESS:
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 - (A) NAME/KEY: Modified-site
 - (B) LOCATION: 2
 - (D) OTHER INFORMATION: /product= "Orn"
 - (ix) FEATURE:
 - (A) NAME/KEY: Modified-site
 - (B) LOCATION: 4
 - (D) OTHER INFORMATION: /product= "OTHER"

/note= "Where Xaa is Thienylalanine"

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:32:

Val Xaa Leu Xaa Pro Phe Phe Asn Asp Trp 1 5 10

- (2) INFORMATION FOR SEQ ID NO:33:
 - (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 10 amino acids
 - (B) TYPE: amino acid
 - (C) STRANDEDNESS:
 - (D) TOPOLOGY: circular

- (ix) FEATURE:
 - (A) NAME/KEY: Modified-site
 - (B) LOCATION: 2
 - (D) OTHER INFORMATION: /product= "Orn"
- (ix) FEATURE:
 - (A) NAME/KEY: Modified-site
 - (B) LOCATION: 4
 - (D) OTHER INFORMATION: /product= "OTHER"

/note= "Where Xaa is Thienylalanine"

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:33:

Val Xaa Leu Xaa Pro Trp Phe Asn Asp Trp 1 5 10

- (2) INFORMATION FOR SEQ ID NO:34:
 - (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 10 amino acids
 - (B) TYPE: amino acid
 - (C) STRANDEDNESS:
 - (D) TOPOLOGY: circular
 - (ix) FEATURE:
 - (A) NAME/KEY: Modified-site
 - (B) LOCATION: 2
 - (D) OTHER INFORMATION: /product= "Orn"
 - (ix) FEATURE:
 - (A) NAME/KEY: Modified-site
 - (B) LOCATION: 5
 - (D) OTHER INFORMATION: /product= "OTHER"

/note= "Where Xaa is Azetidine-2-carboxylic acid"

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:34:

Val Xaa Leu Tyr Xaa Phe Phe Asn Asp Tyr 1 5 10

- (2) INFORMATION FOR SEQ ID NO:35:
 - (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 10 amino acids
 - (B) TYPE: amino acid
 - (C) STRANDEDNESS:
 - (D) TOPOLOGY: circular
 - (ix) FEATURE:
 - (A) NAME/KEY: Modified-site
 - (B) LOCATION: 2
 - (D) OTHER INFORMATION: /product= "Orn"
 - (ix) FEATURE:
 - (A) NAME/KEY: Modified-site
 - (B) LOCATION: 5

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- (D) OTHER INFORMATION: /product= "OTHER" /note= "Where Xaa is Azetidine-2-carboxylic acid"
 - (xi) SEQUENCE DESCRIPTION: SEQ ID NO:35:

Val Xaa Leu Tyr Xaa Phe Phe Asn Asp Trp 1 5 10

- (2) INFORMATION FOR SEQ ID NO:36:
 - (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 10 amino acids
 - (B) TYPE: amino acid
 - (C) STRANDEDNESS:
 - (D) TOPOLOGY: circular
 - (ix) FEATURE:
 - (A) NAME/KEY: Modified-site
 - (B) LOCATION: 2
 - (D) OTHER INFORMATION: /product= "Orn"
 - (ix) FEATURE:
 - (A) NAME/KEY: Modified-site
 - (B) LOCATION: 5
 - (D) OTHER INFORMATION: /product= "OTHER" /note= "Where Xaa is Azetidine-2-carboxylic acid"
 - (xi) SEQUENCE DESCRIPTION: SEQ ID NO:36:

Val Xaa Leu Tyr Xaa Trp Phe Asn Asp Trp 1 5 10

- (2) INFORMATION FOR SEQ ID NO:37:
 - (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 10 amino acids
 - (B) TYPE: amino acid
 - (C) STRANDEDNESS:
 - (D) TOPOLOGY: circular
 - (ix) FEATURE:
 - (A) NAME/KEY: Modified-site
 - (B) LOCATION: 2
 - (D) OTHER INFORMATION: /product= "Orn"
 - (ix) FEATURE:
 - (A) NAME/KEY: Modified-site
 - (B) LOCATION: 5
 - (D) OTHER INFORMATION: /product= "OTHER"
 /note= "Where Xaa is Pipecolic acid"
 - (xi) SEQUENCE DESCRIPTION: SEQ ID NO:37:

Val Xaa Leu Tyr Xaa Phe Phe Asn Asp Tyr

(2) INFORMATION FOR SEQ ID NO:38:

- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 10 amino acids
 - (B) TYPE: amino acid
 - (C) STRANDEDNESS:
 - (D) TOPOLOGY: circular
- (ix) FEATURE:
 - (A) NAME/KEY: Modified-site
 - (B) LOCATION: 2
 - (D) OTHER INFORMATION: /product= "Orn"

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- (ix) FEATURE:
 - (A) NAME/KEY: Modified-site
 - (B) LOCATION: 5
- (D) OTHER INFORMATION: /product= "OTHER" /note= "Where Xaa is Pipecolic acid"
 - (xi) SEQUENCE DESCRIPTION: SEQ ID NO:38:

Val Xaa Leu Tyr Xaa Phe Phe Asn Asp Trp 1 5 10

- (2) INFORMATION FOR SEQ ID NO:39:
 - (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 10 amino acids
 - (B) TYPE: amino acid
 - (C) STRANDEDNESS:
 - (D) TOPOLOGY: circular
 - (ix) FEATURE:
 - (A) NAME/KEY: Modified-site
 - (B) LOCATION: 2
 - (D) OTHER INFORMATION: /product= "Orn"
 - (ix) FEATURE:
 - (A) NAME/KEY: Modified-site
 - (B) LOCATION: 5
 - (D) OTHER INFORMATION: /product= "OTHER"
 /note= "Where Xaa is Pipecolic acid"
 - (xi) SEQUENCE DESCRIPTION: SEQ ID NO:39:

Val Xaa Leu Tyr Xaa Trp Phe Asn Asp Trp 1 5 10

- (2) INFORMATION FOR SEQ ID NO:40:
 - (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 10 amino acids
 - (B) TYPE: amino acid
 - (C) STRANDEDNESS:
 - (D) TOPOLOGY: circular
 - (ix) FEATURE:
 - (A) NAME/KEY: Modified-site
 - (B) LOCATION: 2

(D) OTHER INFORMATION: /product= "Orn"

(ix) FEATURE:

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- (A) NAME/KEY: Modified-site
- (B) LOCATION: 5
- (D) OTHER INFORMATION: /product= "OTHER"

/note= "Where Xaa is trans-3-Methylproline"

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:40:

Val Xaa Leu Tyr Xaa Phe Phe Asn Asp Tyr 1 5 10

- (2) INFORMATION FOR SEQ ID NO:41:
 - (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 10 amino acids
 - (B) TYPE: amino acid
 - (C) STRANDEDNESS:
 - (D) TOPOLOGY: circular
 - (ix) FEATURE:
 - (A) NAME/KEY: Modified-site
 - (B) LOCATION: 2
 - (D) OTHER INFORMATION: /product= "Orn"
 - (ix) FEATURE:
 - (A) NAME/KEY: Modified-site
 - (B) LOCATION: 5
 - (D) OTHER INFORMATION: /product= "OTHER"

/note= "Where Xaa is trans-3-Methylproline"

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:41:

Val Xaa Leu Tyr Xaa Phe Phe Asn Asp Trp 1 5 10

- (2) INFORMATION FOR SEQ ID NO:42:
 - (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 10 amino acids
 - (B) TYPE: amino acid
 - (C) STRANDEDNESS:
 - (D) TOPOLOGY: circular
 - (ix) FEATURE:
 - (A) NAME/KEY: Modified-site
 - (B) LOCATION: 2
 - (D) OTHER INFORMATION: /product= "Orn"
 - (ix) FEATURE:
 - (A) NAME/KEY: Modified-site
 - (B) LOCATION: 5
 - (D) OTHER INFORMATION: /product= "OTHER"

/note= "Where Xaa is trans-3-Methylproline"

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:42:

Val Xaa Leu Tyr Xaa Trp Phe Asn Asp Trp 1 5 10

- (2) INFORMATION FOR SEQ ID NO:43:
 - (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 10 amino acids
 - (B) TYPE: amino acid
 - (C) STRANDEDNESS:
 - (D) TOPOLOGY: circular
 - (ix) FEATURE:
 - (A) NAME/KEY: Modified-site
 - (B) LOCATION: 2
 - (D) OTHER INFORMATION: /product= "Orn"
 - (ix) FEATURE:
 - (A) NAME/KEY: Modified-site
 - (B) LOCATION: 5
 - (D) OTHER INFORMATION: /product= "OTHER"

/note= "Where Xaa is trans-4-Fluoroproline"

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:43:

Val Xaa Leu Tyr Xaa Phe Phe Asn Asp Tyr 1 5 10

- (2) INFORMATION FOR SEQ ID NO:44:
 - (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 10 amino acids
 - (B) TYPE: amino acid
 - (C) STRANDEDNESS:
 - (D) TOPOLOGY: circular
 - (ix) FEATURE:
 - (A) NAME/KEY: Modified-site
 - (B) LOCATION: 2
 - (D) OTHER INFORMATION: /product= "Orn"
 - (ix) FEATURE:
 - (A) NAME/KEY: Modified-site
 - (B) LOCATION: 5
 - (D) OTHER INFORMATION: /product= "OTHER"

/note= "Where Xaa is trans-4-Fluoroproline"

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:44:

Val Xaa Leu Tyr Xaa Phe Phe Asn Asp Trp 1 5 10

- (2) INFORMATION FOR SEQ ID NO:45:
 - (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 10 amino acids
 - (B) TYPE: amino acid

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(C) STRANDEDNESS: (D) TOPOLOGY: circular (ix) FEATURE: (A) NAME/KEY: Modified-site (B) LOCATION: 2 (D) OTHER INFORMATION: /product= "Orn" (ix) FEATURE: (A) NAME/KEY: Modified-site (B) LOCATION: 5 (D) OTHER INFORMATION: /product= "OTHER" /note= "Where Xaa is trans-4-Fluoroproline" (xi) SEQUENCE DESCRIPTION: SEQ ID NO:45: Val Xaa Leu Tyr Xaa Trp Phe Asn Asp Typ (2) INFORMATION FOR SEQ ID NO:46: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 10 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: (D) TOPOLOGY: circular (ix) FEATURE: (A) NAME/KEY: Modified-site (B) LOCATION: 2 (D) OTHER INFORMATION / /product= "Orn" (xi) SEQUENCE DESCRIPTION / SEQ ID NO:46: Val Xaa Leu Tyr Pro Tyr/Phe Asn Asp Tyr 5 1 (2) INFORMATION FOR SEQ ID/NO:47: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 10/amino acids (B) TYPE: amino acid (C) STRANDEDNÉSS: (D) TOPOLOGY! circular (ix) FEATURE: (A) NAME/KÉY: Modified-site (B) LOCATION: 2 (D) OTHER/INFORMATION: /product= "Orn" (xi) SEQUENCE DESCRIPTION: SEQ ID NO:47: Val Xaa Leu Tyr Pro Tyr Phe Asn Asp Trp 5

(2) INFORMATION FOR SEQ ID NO:48:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 10 amino acids
- (B) TYPE: amino acid
- (C) STRANDEDNESS:
- (D) TOPOLOGY: circular
- (ix) FEATURE:

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- (A) NAME/KEY: Modified-site
- (B) LOCATION: 2
- (D) OTHER INFORMATION: /product= "Orn"
- (ix) FEATURE:
 - (A) NAME/KEY: Modified-site
 - (B) LOCATION: 6
- (D) OTHER INFORMATION: /product= "OTHER"

/note= "Where Xaa is p-Fluorophenylalamine"

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:48:

Val Xaa Leu Tyr Pro Xaa Phe Asn Asp Tyr
1 5 10

- (2) INFORMATION FOR SEQ ID NO:49:
 - (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 10 amino acids
 - (B) TYPE: amino acid
 - (C) STRANDEDNESS:
 - (D) TOPOLOGY: circular
 - (ix) FEATURE:
 - (A) NAME/KEY: Modified-site
 - (B) LOCATION: 2
 - (D) OTHER INFORMATION: /product= "Orn"
 - (ix) FEATURE:
 - (A) NAME/KEY: Modified-site
 - (B) LOCATION: 6
 - (D) OTHER INFORMATION: /product= "OTHER"

/note= "Where Xaa is p-Fluorophenylalamine"

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:49:

Val Xaa Leu Tyr Pro Xaa Phe Asn Asp Trp 1 5 10

- (2) INFORMATION FOR SEQ ID NO:50:
 - (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 10 amino acids
 - (B) TYPE: amino acid
 - (C) STRANDEDNESS:
 - (D) TOPOLOGY: circular
 - (ix) FEATURE:
 - (A) NAME/KEY: Modified-site
 - (B) LOCATION: 2

(D) OTHER INFORMATION: /product= "Orn"

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(xi) SEQUENCE DESCRIPTION: SEQ ID NO:50:

Val Xaa Leu Tyr Pro Trp Phe Asn Asp Tyr 1 5 10

- (2) INFORMATION FOR SEQ ID NO:51:
 - (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 10 amino acids
 - (B) TYPE: amino acid
 - (C) STRANDEDNESS:
 - (D) TOPOLOGY: circular
 - (ix) FEATURE:
 - (A) NAME/KEY: Modified-site
 - (B) LOCATION: 2
 - (D) OTHER INFORMATION: /product= "Orn"
 - (xi) SEQUENCE DESCRIPTION: SEQ ID NO:51:

Val Xaa Leu Tyr Pro Trp Phe Asn Asp Trp 1 5 10

- (2) INFORMATION FOR SEQ ID NO:52:
 - (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 10 amino acids
 - (B) TYPE: amino acid
 - (C) STRANDEDNESS:
 - (D) TOPOLOGY: circular
 - (ix) FEATURE:
 - (A) NAME/KEY: Modified-site
 - (B) LOCATION: 2
 - (D) OTHER INFORMATION: /product= "Orn"
 - (ix) FEATURE:
 - (A) NAME/KEY: Modified-site
 - (B) LOCATION: 6
 - (D) OTHER INFORMATION: /product= "OTHER" /note= "Where Xaa is Thienylalanine"
 - (xi) SEQUENCE DESCRIPTION: SEQ ID NO:52:

Val Xaa Lys Tyr Pro Xaa Phe Asn Asp Tyr
1 5 10

- (2) INFORMATION FOR SEQ ID NO:53:
 - (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 10 amino acids
 - (B) TYPE: amino acid
 - (C) STRANDEDNESS:

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(D) TOPOLOGY: circular
    (ix) FEATURE:
          (A) NAME/KEY: Modified-site
          (B) LOCATION: 2
          (D) OTHER INFORMATION: /product= "Orn"
    (ix) FEATURE:
          (A) NAME/KEY: Modified-site
          (B) LOCATION: 6
          (D) OTHER INFORMATION: /product= "OTHER"
 /note= "Where Xaa is Thienylalanine"
    (xi) SEQUENCE DESCRIPTION: SEQ ID NO:53:
    Val Xaa Leu Tyr Pro Xaa Phe Asn Asp Trp
(2) INFORMATION FOR SEQ ID NO:54:
     (i) SEQUENCE CHARACTERISTICS:
          (A) LENGTH: 10 amino acids
          (B) TYPE: amino acid
          (C) STRANDEDNESS:
          (D) TOPOLOGY: circular
    (ix) FEATURE:
          (A) NAME/KEY: Modified-site
          (B) LOCATION: 2
          (D) OTHER INFORMATION: /product= "Orn"
    (ix) FEATURE:
          (A) NAME/KEY: Modified-site
          (B) LOCATION: 6
          (D) OTHER INFORMATION: /product= "OTHER"
 /note= "Where Xaa is Beta-Phenylserine"
    (xi) SEQUENCE DESCRIPTION: SEQ ID NO:54:
    Val Xaa Leu Tyr Pro Xaa Phe Asn Asp Tyr
                     5
(2) INFORMATION FOR SEQ 10 NO:55:
     (i) SEQUENCE CHARAGTERISTICS:
          (A) LENGTH: 1/0 amino acids
          (B) TYPE: amino acid
          (C) STRANDEDNESS:
          (D) TOPOLOGY: circular
    (ix) FEATURE:
          (A) NAME KEY: Modified-site
          (B) LOCATION: 2
          (D) OTHER INFORMATION: /product= "Orn"
    (ix) FEATURE
          (A) NAME/KEY: Modified-site
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(B) LOCATION: 6 (D) OTHER INFORMATION: /product= "OTHER" /note= "Where Xaa is Beta-Phenylserine" (xi) SEQUENCE DESCRIPTION: SEQ ID NO:55: Val Xaa Leu Tyr Pro Xaa Phe Asn Asp Trp (2) INFORMATION FOR SEQ ID NO:56: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 10 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: (D) TOPOLOGY: circular (ix) FEATURE: (A) NAME/KEY: Modified-site (B) LOCATION: 2 (D) OTHER INFORMATION: /product= "Orn" (xi) SEQUENCE DESCRIPTION: SEQ ID NO:56: Val Xaa Leu Tyr Pro Phe Tyr Asn Asp/Tyr 10 (2) INFORMATION FOR SEQ ID NO:57: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 10 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: (D) TOPOLOGY: circular (ix) FEATURE: (A) NAME/KEY: Modified-site (B) LOCATION: 2 (D) OTHER INFORMATION: //product= "Orn" (xi) SEQUENCE DESCRIPTION: SEQ ID NO:57: Val Xaa Leu Tyr Pro Phe Tyr Asn Asp Trp 1 5 (2) INFORMATION FOR SEQ ID NO: 58: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 10 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: (D) TOPOLOGY: circular (ix) FEATURE: (A) NAME/KEY: Modified-site (B) LOCATION: 2

(D) OTHER INFORMATION: /product= "Orn"

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(ix) FEATURE: (A) NAME/KEY: Modified-site (B) LOCATION: 7 (D) OTHER INFORMATION: /product= "OTHER" /note= "Where Xaa is p-Fluorophenylalamine" (xi) SEQUENCE DESCRIPTION: SEQ ID NO:58: Val Xaa Leu Tyr Pro Phe Xaa Asn Asp Tyr (2) INFORMATION FOR SEQ ID NO:59: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 10 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: (D) TOPOLOGY: circular (ix) FEATURE: (A) NAME/KEY: Modified-sité (B) LOCATION: 2 (D) OTHER INFORMATION: /product= "Orn" (ix) FEATURE: (A) NAME/KEY: Modified-site (B) LOCATION: 7 (D) OTHER INFORMATION: /product= "OTHER" /note= "Where Xaa is p-Fluorophenylalamine" (xi) SEQUENCE DESCRIPTION: SEQ ID NO:59: Val Xaa Leu Tyr Pro Phe Xaa Asn Asp Trp 5 (2) INFORMATION FOR SEQ ID NO:60: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 10 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: (D) TOPOLOGY: circular (ix) FEATURE: (A) NAME/KEY: Modified-site (B) LOCATION: 2 (D) OTHER INFORMATION: /product= "Orn" (xi) SEQUENCE DESCRIPTION: SEQ ID NO:60: Val Xaa Leu Tyr Pro Phe Trp Asn Asp Tyr

(2) INFORMATION FOR SEQ ID NO:61:

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(i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 10 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: (D) TOPOLOGY: circular (ix) FEATURE: (A) NAME/KEY: Modified-site (B) LOCATION: 2 (D) OTHER INFORMATION: /product= "Orn" (xi) SEQUENCE DESCRIPTION: SEQ ID NO:61: Val Xaa Leu Tyr Pro Phe Trp Asn Asp Trp (2) INFORMATION FOR SEQ ID NO:62: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 10 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: (D) TOPOLOGY: circular (ix) FEATURE: (A) NAME/KEY: Modified-site (B) LOCATION: 2 (D) OTHER INFORMATION: /product= "Orn" (ix) FEATURE: (A) NAME/KEY: Modified-site (B) LOCATION: 7 (D) OTHER INFORMATION: /product= "OTHER" /note= "Where Xaa is Thienylalanine" (xi) SEQUENCE DESCRIPTION: SEQ ID NO:62: Val Xaa Leu Tyr Pro Phe Xaa Asn Asp Tyr 1 (2) INFORMATION FOR SEQ ID NO:63: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 10 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: (D) TOPOLOGY: circular (ix) FEATURÉ:

(A) NAME/KEY: Modified-site

(B) LOCATION: 2

(D) OTHER INFORMATION: /product= "Orn"

(ix) FEATURE:

(A) NAME/KEY: Modified-site

(B) LOCATION: 7

(D) OTHER INFORMATION: /product= "OTHER" /note= "Where Xaa is Thienylalanine"

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:63:

Val Xaa Leu Tyr Pro Phe Xaa Asn Asp Trp 1 5 10

- (2) INFORMATION FOR SEQ ID NO:64:
 - (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 10 amino acids
 - (B) TYPE: amino acid
 - (C) STRANDEDNESS:
 - (D) TOPOLOGY: circular
 - (ix) FEATURE:
 - (A) NAME/KEY: Modified-site
 - (B) LOCATION: 2
 - (D) OTHER INFORMATION: /product= "Orn"
 - (ix) FEATURE:
 - (A) NAME/KEY: Modified-site
 - (B) LOCATION: 7
- (D) OTHER INFORMATION: /product= "OTHER" /note= "Where Xaa is Beta-Phenylserine"
 - (xi) SEQUENCE DESCRIPTION: SEQ ID NO:64:

Val Xaa Leu Tyr Pro Phe Xaa Asn Asp Tyr
1 5 10

- (2) INFORMATION FOR SEQ ID NO:65:
 - (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 10 amino acids
 - (B) TYPE: amino acid
 - (C) STRANDEDNESS:
 - (D) TOPOLOGY: circular
- (ix) FEATURE:
 - (A) NAME/KEY: Modified-site
 - (B) LOCATION: 2
 - (D) OTHER INFORMATION: /product= "Orn"
 - (ix) FEATURE:
 - (A) NAME/KEY: Modified-site
 - (B) LOCATION: 7
 - (D) OTHER INFORMATION: /product= "OTHER"
 /note= "Where Xaa is Beta-Phenylserine"
 - (xi) SEQUENCE DESCRIPTION: SEQ ID NO:65:

Val Xaa Leu Tyr Pro Phe Xaa Asn Asp Trp 1 5 10

(2) INFORMATION FOR SEQ ID NO:66:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 10 amino acids

- (B) TYPE: amino acid
- (C) STRANDEDNESS:
- (D) TOPOLOGY: circular
- (ix) FEATURE:
 - (A) NAME/KEY: Modified-site
 - (B) LOCATION: 2
 - (D) OTHER INFORMATION: /product= "Orn"
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:66:

Val Xaa Leu Tyr Pro Trp Phe Asn Asp Tyr 1 5 10

- (2) INFORMATION FOR SEQ ID NO:67:
 - (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 10 amino acids
 - (B) TYPE: amino acid
 - (C) STRANDEDNESS:
 - (D) TOPOLOGY: circular
 - (ix) FEATURE:
 - (A) NAME/KEY: Modified-site
 - (B) LOCATION: 2
 - (D) OTHER INFORMATION: /product= "Orn"
 - (ix) FEATURE:
 - (A) NAME/KEY: Modified-site
 - (B) LOCATION: 10
 - (D) OTHER INFORMATION: /product= "OTHER"
 /note= "Where Xaa is p-Fluorophenylalanine"
 - (xi) SEQUENCE DESCRIPTION: SEQ ID NO:67:

Val Xaa Leu Tyr Pro Phe Phe Asn Asp Xaa 1 5 10

- (2) INFORMATION FOR SEQ ID NO:68:
 - (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 10 amino acids
 - (B) TYPE: amino acid
 - (C) STRANDEDNESS:
 - (D) TOPOLOGY: circular
 - (ix) FEATURE:
 - (A) NAME/KEY: Modified-site
 - (B) LOCATION: 2
 - (D) OTHER INFORMATION: /product= "Orn"
 - (ix) FEATURE:
 - (A) NAME/KEY: Modified-site

(B) LOCATION: 10

(D) OTHER INFORMATION: /product= "OTHER" /note= "Where Xaa is p-Fluorophenylalanine"

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:68:

Val Xaa Leu Tyr Pro Trp Phe Asn Asp Xaa 1 5 10

- (2) INFORMATION FOR SEQ ID NO:69:
 - (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 10 amino acids
 - (B) TYPE: amino acid
 - (C) STRANDEDNESS:
 - (D) TOPOLOGY: circular
 - (ix) FEATURE:

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- (A) NAME/KEY: Modified-site
- (B) LOCATION: 2
- (D) OTHER INFORMATION: /product= "Orn"
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:69:

Val Xaa Leu Tyr Pro Phe Phe Asn Asp Phe 1 5 10

- (2) INFORMATION FOR SEQ ID NO:70:
 - (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 10 amino acids
 - (B) TYPE: amino acid
 - (C) STRANDEDNESS:
 - (D) TOPOLOGY: circular
 - (ix) FEATURE:
 - (A) NAME/KEY: Modified-site
 - (B) LOCATION: 2
 - (D) OTHER INFORMATION: /product= "Orn"
 - (xi) SEQUENCE DESCRIPTION: SEQ ID NO:70:

Val Xaa Leu Tyr Pro Trp Phe Asn Asp Phe 1 5 10

- (2) INFORMATION FOR SEQ ID NO:71:
 - (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 10 amino acids
 - (B) TYPE: amino acid
 - (C) STRANDEDNESS:
 - (D) TOPOLOGY: circular
 - (ix) FEATURE:
 - (A) NAME/KEY: Modified-site
 - (B) LOCATION: 2
 - (D) OTHER INFORMATION: /product= "Orn"

(ix) FEATURE:

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(A) NAME/KEY: Modified-site

(B) LOCATION: 10

(D) OTHER INFORMATION: /product= "OTHER"

/note= "Where Xaa is Thienylalanine"

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:71:

Val Xaa Leu Tyr Pro Phe Phe Asn Asp Xaa 1 5 10

- (2) INFORMATION FOR SEQ ID NO:72:
 - (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 10 amino acids
 - (B) TYPE: amino acid
 - (C) STRANDEDNESS:
 - (D) TOPOLOGY: circular
 - (ix) FEATURE:
 - (A) NAME/KEY: Modified-site
 - (B) LOCATION: 2
 - (D) OTHER INFORMATION: /product= "Orn"
 - (ix) FEATURE:
 - (A) NAME/KEY: Modified-site
 - (B) LOCATION: 10
 - (D) OTHER INFORMATION: /product= "OTHER"

/note= "Where Xaa is Thienylalanine"

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:72:

Val Xaa Leu Tyr Pro Trp Phe Asn Asp Xaa 1 5 10

- (2) INFORMATION FOR SEQ ID NO:73:
 - (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 10 amino acids
 - (B) TYPE: amino acid
 - (C) STRANDEDNESS:
 - (D) TOPOLOGY: circular
 - (ix) FEATURE:
 - (A) NAME/KEY: Modified-site
 - (B) LOCATION: 2
 - (D) OTHER INFORMATION: /product= "Orn"
 - (ix) FEATURE:
 - (A) NAME/KEY: Modified-site
 - (B) LOCATION: 10
 - (D) OTHER INFORMATION: /product= "OTHER"

/note= "Where Xaa is Beta-Phenylserine"

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:73:

Val Xaa Leu Tyr Pro Phe Phe Asn Asp Xaa 1 5 10

- (2) INFORMATION FOR SEQ ID NO:74:
 - (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 10 amino acids
 - (B) TYPE: amino acid
 - (C) STRANDEDNESS:
 - (D) TOPOLOGY: circular
 - (ix) FEATURE:
 - (A) NAME/KEY: Modified-site
 - (B) LOCATION: 2
 - (D) OTHER INFORMATION: /product= "Orn"
 - (ix) FEATURE:
 - (A) NAME/KEY: Modified-site
 - (B) LOCATION: 10
 - (D) OTHER INFORMATION: /product= "OTHER"

/note= "Where Xaa is Beta-Phenylserine"

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:74:

Val Xaa Leu Tyr Pro Trp Phe Asn Asp Xaa 1 5 10

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